

Receiving Report

Date:

14/3/14

Batch No:

M128502

Supplier:

Thyssen

Dart P/O:

23230

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC18 Inspection ☒ N/A ☐
 Work Order ☐ N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

[Signature]

Production/Admin:

Date

Received/Costing

Initial

14/3/14
[Signature]

Location

Purchase Order Receipt Listing

Friday, March 14, 2014 10:40:59 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO23230 Receipt Dates from 3/14/2014 to 3/14/2014 All Line Item Types
All Item ID/GL/WOS All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date	Receiv Date/ Emp	Receiv Qty (PO U/M)	Cost Per Unit/ Receiv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO23230	6		M7075T6B0.375X8.0 f		3/13/2014	3/14/2014	24.0000	\$16.18	0.0000	0	\$388.29
			00								
			7075-T6 BAR 0.375" f								
			X 8.000"								
CAD	No		M128502		24.0000	DESJ02		\$388.29	0.0000	0	
			M7075T6B6.000X0.2 f		3/13/2014	3/14/2014	24.0000	\$10.16	0.0000	0	\$243.81
			50								
			7075-T6 BAR 6.000" f								
			X 0.250"								
No			M128502		24.0000	DESJ02		\$243.81	0.0000	0	
			M7075T6B5.000X0.3 f		3/13/2014	3/14/2014	96.0000	\$10.31	0.0000	0	\$989.69
			75								
			7075-T6 BAR 5.000" f								
			X 0.375"								
No			M128502		96.0000	DESJ02		\$989.69	0.0000	0	
			M7075T6B1.750X0.2 f		3/13/2014	3/14/2014	12.0000	\$22.95	0.0000	0	\$275.41
			250								
			7075-T6 BAR 1.750" f								
			X 2.250"								
No			M128502		12.0000	DESJ02		\$275.41	0.0000	0	

Total Received Quantity: 156.0000
Total Qty to Inspect (PO U/M): 0.0000
Total Reject Quantity: 0.0000
Total Receipt Value: \$1,897.20
Total Balance Due Quantity: 0.0000

B I L L O F L A D I N G

No: PEC 867129

Ship From:

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 11Mar14 at 16:29 From PFW
Probill

Via VIM TRANSFER

FOB CONCORD

Frt PREPAID

Route 0- 0 Manifest

Vhcle Trailer

Slp STAN IVERS (905-532-1350)

Sold To: (20115)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Ship To: (1)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-658896- 1 Your PO # 23230
Part # QQ-A-250/12 PLATE Rel #

ALUMINUM PLATE 7075-T651

.375" THICK X 8.0000" X 144.5000"

Heat Number Tag No
R12372 270440Quantity PCS Wt LBS
16.06 SFT 2 88

MTR

2) Our Order PEC-658896- 2 Your PO # 23230
Part # QQ-A-250/12 PLATE

ALUMINUM PLATE 7075-T651

.250" THICK X 6.0000" X 144.5000"

Heat Number Tag No
R13495 270441Quantity PCS Wt LBS
12.04 SFT 2 44

MTR

3) Our Order PEC-658896- 3 Your PO # 23230
Part # QQ-A-250/12 PLATE Rel #

ALUMINUM PLATE 7075-T651

.375" THICK X 5.0000" X 144.5000"

Heat Number Tag No
R07387 270443Quantity PCS Wt LBS
40.14 SFT 8 219

MTR

4) Our Order PEC-658896- 4 Your PO # 23230
Part # QQ-A-250/12 PLATE Rel #

ALUMINUM PLATE 7075-T651

1.750" THICK X 2.2500" X 144.5000"

Heat Number Tag No
146341 270444Quantity PCS Wt LBS
2.26 SFT 1 61

MTR

TOTAL: Tags 4 PCS 13 Wt LBS 412

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

1 TUBE R550 ✓
 1 plaque R558 ✓
 2 plaque R559 ✓
 1 plaque R553 ✓

B I L L O F L A D I N G

No: PEC 867129

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 11Mar14 at 16:29 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 TUBE, 3 BDLs GW. 493 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 2 Last

ALUMINIUM - ENTAIN - CUIVRE - PLASTIQUE - ACIER INOX
ALUMINIUM - BRASS - COPPER - PLASTIC - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

140223834 RT0001

Constellium Valais SA

CH-3960 Sierre
Suisse

Aerospace and Transportation
Europe - AT Valais, Usines de Sierre et Steg

Tel : +41(0) 27 457 51 11
<http://www.constellium.com>



CONSTELLIUM ROLLED PRODUCTS
RAVENSWOOD, LLC

US -26164 RAVENSWOOD

INSPECTION CERTIFICATE

According To **EN 10204-3.1**
Disp. Advice / Cert **0080237066**
Date **10/07/2013** Page **1**

Your Order **5400179908**
Copper
Project
Dated **01/05/2013**
Our Confirmation No. **143280-50**
Customer No. **606281**
Sales Contact **Fabienne Salamin**
++41 (27) 457 6432
Certificate Dpt : **41 27 457 66 92**

Aluminium plates in **AA7075-T651**, mill finish, Alumitex paper interleaved
To AMS 4045K, AMS QQ-A-250/12 August 1997, ASTM B209 and SIE0002

Your article : 012-000501

Lot	Production No.	Weight	Quantity	Dimensions
R12372	6241623	3117.28 Lbs	9	0.375" x 60.50" x 144.50"

Mechanical and technological properties

Sample	Temper	Ksi-UTS	Ksi-YS	A%2Inch	HB						
min-max	T651	>=78	>=67	>=9							
min-max											

Measured values

R12372-1	T651	86.0	75.5	14	174						
R12372-2	T651	85.4	75.5	14	176						

Chemical composition

Required composition (% by weight)

Casting No	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti		
Min			1.2		2.1	.18		5.1			
Max	.40	.50	2.0	.30	2.9	.28	.05	6.1	.20		

Analysis results (% by weight)

Other elements: Each <= 0.05% Total <= 0.15%

31374812	0.06	0.17	1.47	.028	2.44	0.19	.0037	5.63	.022		
----------	------	------	------	------	------	------	-------	------	------	--	--

Remark

This certificate of conformance verifies that the organization took effective control of quality to meet the specified requirements on both the sales order(s) and the customer purchase order(s)

*** COUNTRY OF ORIGIN AND MANUFACTURE : SWITZERLAND ***

Compliant to the European Union Directive 2011/65/EU also known as RoHS

Alain Thurre

Inspection Department

Valid without signature 03

Système de Management certifié

ISO 9001 / ISO 14001 / OHSAS 18001

Distribution of attestations on demand

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 7075 T6 375X8.0
 RECEIVED BY: Link
 DATE: 14/03/14
 P/O# 23230 MATERIAL CERT RECEIVED yes
 QUANTITY ORDERED: 24 QUANTITY RECEIVED: 54
 THICKNESS ORDERED: 375X8.0 THICKNESS RECEIVED: 375X8.0
 SHEET SIZE: _____ SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
INCORRECT FINISH	Y	<input checked="" type="checkbox"/>	
CORROSION	Y	<input checked="" type="checkbox"/>	
INCORRECT GRAIN DIRECTION	Y	<input checked="" type="checkbox"/>	
INCORRECT MATERIAL	Y	<input checked="" type="checkbox"/>	
INCORRECT THICKNESS	Y	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	23230
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	R12372
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	M128502
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>Link</u>	BY: _____
DATE: <u>14/03/14</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Constellium Valais SA

CH-3960 Sierre
Suisse

Aerospace and Transportation
Europe - AT Valais, Usines de Sierre et Steg

Tel : +41(0) 27 457 51 11
<http://www.constellium.com>



CONSTELLIUM ROLLED PRODUCTS
RAVENSWOOD, LLC

US -26164 RAVENSWOOD

INSPECTION CERTIFICATE

According To EN 10204-3.1
Disp. Advice / Cert 0080237066
Date 10/07/2013 Page 1

Your Order 5400179908
Copper
Project
Dated 01/05/2013
Our Confirmation No. 143280-60
Customer No. 606281
Sales Contact Fabienne Salamin
++41 (27) 457 6432
Certificate Dpt : 41 27 457 66 92

Aluminium plates in AA7075-T651, mill finish,
To AMS 4045K, AMS QQ-A-250/12 August 1997, ASTM B209 and SIE0002
Alumitex paper interleaved

Your article : 012-000503

Lot	Production No.	Weight	Quantity	Dimensions
R13495	6241629	8434.74 Lbs	38	0.250" x 60.50" x 144.50"

Mechanical and technological properties

Sample	Temper	Ksi-UTS	Ksi-YS	A%2Inch	HB						
min-max	T651	>=78	>=67	>=9							
min-max											

Measured values

R13495-1	T651	82.2	73.1	12	176						
R13495-2	T651	81.9	73.1	13	177						

Chemical composition

Required composition (% by weight)

Casting No	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti		
Min			1.2		2.1	.18		5.1			
Max	.40	.50	2.0	.30	2.9	.28	.05	6.1	.20		

Analysis results (% by weight)

Other elements: Each <= 0.05% Total <= 0.15%

31476332	0.06	0.17	1.52	.049	2.46	0.19	.0045	5.64	.021		
----------	------	------	------	------	------	------	-------	------	------	--	--

Remark

This certificate of conformance verifies that the organization took effective control of quality to meet the specified requirements on both the sales order(s) and the customer purchase order(s)

*** COUNTRY OF ORIGIN AND MANUFACTURE : SWITZERLAND ***

Compliant to the European Union Directive 2011/65/EU also known as RoHS

Alain Thurre

Inspection Department

Valid without signature 03

Système de Management certifié

ISO 9001 / ISO 14001 / OHSAS 18001

Definition of abbreviations on demand

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 7075T6 6.0X.25
 RECEIVED BY: Line
 DATE: 19/03/14
 P/O#: 23230
 QUANTITY ORDERED: 24
 THICKNESS ORDERED: 6.0 X .250
 SHEET SIZE: _____
 MATERIAL CERT RECEIVED: yes
 QUANTITY RECEIVED: 24
 THICKNESS RECEIVED: 6.0 X .25
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
INCORRECT FINISH	Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N	
INCORRECT MATERIAL	Y <input checked="" type="radio"/> N	
INCORRECT THICKNESS	Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	23230
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	R13495
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	M128502
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>Line</u>	BY: _____
DATE: <u>14/03/21</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Constellium Valais SA

CH-3960 Sierre
Suisse

Aerospace and Transportation
Europe - AT Valais, Usines de Sierre et Steg

Tel : +41(0) 27 457 51 11
<http://www.constellium.com>



3

CONSTELLIUM ROLLED PRODUCTS
RAVENSWOOD, LLC

US -26164 RAVENSWOOD

INSPECTION CERTIFICATE

According To EN 10204-3.1
Disp. Advice / Cert 0080233620
Date 06/05/2013 Page 1

Your Order 7075 + 6061

Project

Dated 11/07/2012

Our Confirmation No. 141654-14

Customer No. 606281

Sales Contact Fabienne Salamin
++41 (27) 457 6432

Certificate Dpt : 41 27 457 66 92

Aluminium plates in AA7075-T651, mill finish, Alumatex paper interleaved
To AMS 4045K, AMS QQ-A-250/12 August 1997, ASTM B209 and SIE0002

14/03/21

Your article : 001-300725

Lot	Production No.	Weight	Quantity	Dimensions
R07387	6239358	3015.87 Lbs	11	0.375" x 48.50" x 144.50"

Mechanical and technological properties

Sample	Temper	Ksi-UTS	Ksi-YS	A%2Inch	HB						
min-max	T651	>=78	>=67	>=9							
min-max											

Measured values

R07387-1	T651	86.9	78.7	13	174						
R07387-2	T651	86.9	78.9	11	176						

Chemical composition

Required composition (% by weight)

Casting No	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti		
Min			1.2		2.1	.18		5.1			
Max	.40	.50	2.0	.30	2.9	.28	.05	6.1	.20		

Analysis results (% by weight)

Other elements: Each <= 0.05% Total <= 0.15%

30773291	0.06	0.16	1.56	0.038	2.51	0.18	0.006	5.73	0.02		
----------	------	------	------	-------	------	------	-------	------	------	--	--

Remark

This certificate of conformance verifies that the organization took effective
control of quality to meet the specified requirements on both the sales order(s)
and the customer purchase order(s)

*** COUNTRY OF ORIGIN AND MANUFACTURE : SWITZERLAND ***

Compliant to the European Union Directive 2011/65/EU also known as RoHS

Alain Thurre

Inspection Department

Valid without signature 03

Système de Management certifié

ISO 9001 / ISO 14001 / OHSAS 18001

Definition of abbreviations on demand

From: ThyssenKrupp Materials NA

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 7075T6 5.0 X .375
 RECEIVED BY: Line
 DATE: 14/03/14
 P/O# 23230 MATERIAL CERT RECEIVED Yes
 QUANTITY ORDERED: 96 QUANTITY RECEIVED: 96
 THICKNESS ORDERED: 5.0 X .375 THICKNESS RECEIVED: 5.0 X .375
 SHEET SIZE: _____ SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
INCORRECT FINISH	Y <input checked="" type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/>	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	
INCORRECT MATERIAL	Y <input checked="" type="checkbox"/>	
INCORRECT THICKNESS	Y <input checked="" type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	23230
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	R07387
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	M128502
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>am</u>	BY: _____
DATE: <u>14/03/14</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

4



COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN

46544



COPPER & BRASS
P.O. BOX 5116
SOUTHFIELD MI

48086

COPPER&BR 487603 4075 INCLUSION SERIAL#: 20140217487603 PAGE 1 OF 3

CUSTOMER PURCHASE ORDER NO. & ITEM 5400210509				Constellium ORDER NO. 110-513705		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA <i>Steve Good</i> Steve Good - Laboratory Manager
ALLOY 7075	CLAD. 00	TEMPER T651	GAUGE 1.78000	WIDTH 60.500	LENGTH 144.500	
ITEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL						
CUSTOMER SPECIFICATION AMS-QQ-A-250/12						
PART NUMBER ALFLR00996		B/L NUMBER 487600		DATE SHIPPED 02/19/14		
WEIGHT SHIPPED 4,860		NO. OF PIECES 3		GOVT. CONTRACT NO.		

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND % IACS										
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN	MAX									
146341	LT	2	***** T651 78.1	78.4	67.5	68.4	***** 13.0	13.0											
All material contained in lot 146341 was cast and manufactured in the USA.																			

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS																			

ASTM B209-10, AMS 4045K																			
14/03/21																			
CHEM COMP	ALLOY	SILICON		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		ZINC		TITANIUM		OTHERS	
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	EACH MAX.	TOTAL MAX.
	SEE ACTUAL CHEMICAL COMPOSITION																		
	ALUMINUM REMAINDER																		

P-860-155D Revised: 02.2014

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403015389

CstAr CstOr 256413

Wgt.: 61 LB Date 03/07/2014

John L. Zambetti



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN

46544

COPPER & BRASS
P.O. BOX 5116
SOUTHFIELD MI

48086

COPPER&BR 487603 4075 INCLUSION SERIAL#: 20140217487603 PAGE 2 OF 3

CUSTOMER PURCHASE ORDER NO. & ITEM				Constellium ORDER NO.		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA <i>Steve Good</i> Steve Good - Laboratory Manager
5400210509				110-513705		
ALLOY	CLAD.	TEMPER	GUAGE	WIDTH	LENGTH	
7075	00	T651	1.78000	60.500	144.500	
ITEM ORDERED						
MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL						
CUSTOMER SPECIFICATION						
AMS-QQ-A-250/12						
PART NUMBER		B/L NUMBER		DATE SHIPPED		
ALFLR00996		487600		02/19/14		
WEIGHT SHIPPED		NO. OF PIECES		GOVT. CONTRACT NO.		
4,860		3				

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND % IACS										
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN	MAX									
146341			ACTUAL CHEMICAL COMPOSITION																
			C	SI= 0.08	FE= 0.13	CU= 1.41	MN= 0.04	MG= 2.53											
				CR= 0.21	ZN= 5.52	TI= 0.02	ZR= 0.01												
			OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																
CHEM COM P	ALLOY	SILICON		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		ZINC		TITANIUM		OTHERS	
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	EACH MAX.	TOTAL MAX.
		SEE ACTUAL CHEMICAL COMPOSITION																	
		ALUMINUM REMAINDER																	

P-860-155D Revised: 02.2014

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403015389

CstAr

CstOr 256413

Wgt.: 61 LB

Date 03/07/2014

John R. Zambetti



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES
1015 SAINT JEROME STREET
MISHAWAKA IN

46544

COPPER & BRASS
P.O. BOX 5116
SOUTHFIELD MI

48086

COPPER&BR 487603 4075 INCLUSION SERIAL#: 20140217487603 PAGE 3 OF 3

CUSTOMER PURCHASE ORDER NO. & ITEM 5400210509				Constellium ORDER NO. 110-513705		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA <i>Steve Good</i> Steve Good - Laboratory Manager	
ALLOY 7075	CLAD. 00	TEMPER T651	GUAGE 1.78000	WIDTH 60.500	LENGTH 144.500		
ITEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL							
CUSTOMER SPECIFICATION AMS-QQ-A-250/12							
PART NUMBER ALFLR00996			B/L NUMBER 487600		DATE SHIPPED 02/19/14		
WEIGHT SHIPPED 4,860		NO. OF PIECES 3		GOVT. CONTRACT NO.			

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND % IACS										
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN	MAX									
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.																			
CHEMISTRY BY OES: ARKSPARK																			
CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT.																			
WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399.																			
WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557.																			
Mark Paperwork: ALFLR00999																			
DUNS Number: 090570149; CAGE Code: 1YWL9																			
Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.																			
"END OF CERTIFICATION"																			
CHEM COMP	ALLOY	SILICON		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		ZINC		TITANIUM		OTHERS	
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	EACH MAX.	TOTAL MAX.
	SEE ACTUAL CHEMICAL COMPOSITION																		
	ALUMINUM REMAINDER																		

P-860-155D Revised: 02.2014

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403015389

CstAr CstOr 256413

Wgt.: 61 LB Date 03/07/2014

John R. Zambetti

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 7075T6 1.75X2.25
 RECEIVED BY: Zio
 DATE: 14/03/14
 P/O# 23230
 QUANTITY ORDERED: 12
 THICKNESS ORDERED: 1.75X2.25
 SHEET SIZE: _____
 MATERIAL CERT RECEIVED: YLO
 QUANTITY RECEIVED: 12
 THICKNESS RECEIVED: 1.75X2.25
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
INCORRECT FINISH	Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N	
INCORRECT MATERIAL	Y <input checked="" type="radio"/> N	
INCORRECT THICKNESS	Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>214</u>	BY: _____
DATE: <u>14/03/14</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23230

Purchase Order Date 3/5/2014

PO Print Date 3/5/2014

Page Number 1 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FC 2/14/02/05

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:			

M128435

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M6061T6T8.000W.125	6061-T6 RD Tube 8.00 X.125W	3/10/2014 Yes 3/10/2014		20.00 f	\$14.60	\$292.00
MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR ASTM B241							
Line Total:							\$292.00
2	M304S20GA	304/316 .040 Sheet	3/10/2014 Yes 3/10/2014		320.00 sf	\$2.65	\$849.00
MATERIAL; AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240							
Line Total:							\$849.00

PO Instructions: NO: PEC ST-658228
NO: PEC ST-658371

Note:

3/5/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23230

Purchase Order Date 3/5/2014

PO Print Date 3/5/2014

Page Number 2 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Chantal Lavoie

3	M304S18GA	304/316 .050 Sheet	3/10/2014	192.00		\$3.59	\$690.00
			Yes	sf			
			3/10/2014				

MATERIAL; AISI 304/316 SS SHEET ANNEALED
AS PER MIL-S-5059 OR AMS 5513 (304)
OR AMS 5524 (316) OR ASTM A240 OR
ASME SA240

Line Total: \$690.00

4	M6061T6S.090	6061-T6 .090 Sheet	3/10/2014	96.00		\$3.84	\$369.00
			Yes	sf			
			3/10/2014				

MATERIAL: 6061-T6/T62 ALUMINUM SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027 OR ASTM B209

Line Total: \$369.00

5	M6061T6B0.375X01.000	6061T6 BAR .375 x 1.00	3/10/2014	48.00		\$0.92	\$44.16
			Yes	f			
			3/10/2014				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-A/200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

PO Instructions: NO: PEC ST-658228
NO: PEC ST-658371

Note:

3/5/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23230

Purchase Order Date 3/5/2014

PO Print Date 3/5/2014

Page Number 3 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444
Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$44.16

6 M7075T6B0.375X8.000 7075-T6 BAR 0.375" X 3/10/2014 24.00 24.083 \$17.92 \$430.00
Yes f
3/10/2014

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-A-200/11 OR CUT FROM PLATE QQ-A-250/12

Line Total: \$430.00

7 M7075T6B6.000X0.250 7075-T6 BAR 6.000" X 3/10/2014 24.00 24.08 \$11.25 \$270.00
Yes f
3/10/2014

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-A-200/11 OR CUT FROM PLATE QQ-A-250/12

Line Total: \$270.00

8 M7075T6B5.000X0.375 7075-T6 BAR 5.000" X 3/10/2014 96.00 96.33 \$11.42 \$1,096.00
Yes f
3/10/2014

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-A-200/11 OR CUT FROM PLATE QQ-A-250/12

PO Instructions: NO: PEC ST-658228
NO: PEC ST-658371

Note:

3/5/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO23230**

Purchase Order Date 3/5/2014

PO Print Date 3/5/2014

Page Number 4 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Chantal Lavoie

Line Total: \$1,096.00

9 M7075T6B1.750X02.250 7075-T6 BAR 1.750" X 3/10/2014 12.00 ✓ \$25.42 \$305.00
2.250"

Yes f 12.07
3/10/2014

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-A-200/11 OR CUT FROM PLATE QQ-A-250/12

Line Total: \$305.00

10 71401-45 PROCUREMENT 3/10/2014 0.00 \$0.00 \$0.00
QUALITY CLAUSES

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality document

No
3/10/2014

Line Total: \$0.00

PO Instructions: NO: PEC ST-658228
NO: PEC ST-658371

Note:

3/5/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23230

Purchase Order Date 3/5/2014

PO Print Date 3/5/2014

Page Number 5 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA – (Free Carrier)

PO Total: \$4,345.16

PO Instructions: NO: PEC ST-658228
NO: PEC ST-658371

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 3/5/2014